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PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of Muhammad Anzar et al.
Serial No. 10/811,593
Filed March 29, 2004
Confirmation No. 2857
For PROCESS FOR THE STAINING OF SPERM
Examiner Vera Afremova

Art Unit 1651

March 3, 2006

COMMISSIONER FOR PATENTS
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Alexandria, Virginia 22313-1450

SIR:

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

* In accordance with 37 C.F.R. 1.97 and 1.98 and MPEP 609, and in compliance with the duty of disclosure set forth in 37 C.F.R. 1.56, applicants submit the attached PTO/SB/08A for consideration by the Patent and Trademark Office in the above-entitled application and to be made of record therein.

* Applicants submit herewith copies of the foreign patent documents and literature references.

This Information Disclosure Statement is being submitted pursuant to 37 C.F.R. §1.97(b) in that applicants believe that it is being filed prior to the mailing date of the first Office action on the merits. Accordingly neither a statement nor fee under 37 C.F.R. §1.97(c) or (d) is required.

Respectfully submitted,

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PTO/SB/08A SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/811,593
				Filing Date	March 29, 2004
				Confirmation Number	2857
				First Named Inventor	Muhammad Anzar et al.
				Group Art Unit	1651
Examiner Name	V. Efremova				
Sheet	1	of	2	Attorney Docket No.	MTC 2002.1

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
	52	3,005,756	A	VanDemark, et al.	10-24-1961
	53	3,791,384	A	Richter et al.	01-12-1974
	54	4,267,268	A	Nelson, Jr., et al.	05-12-1981
	55	4,474,875		Shrimpton, W.	10-02-1984
	56	6,309,815	B1	Tash et al.	10-30-2001

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office	Number ⁴	Kind Code (if known)			
	57	WO	02/41906	A	Pharmacia Corporation	05-30-2002	
	58	WO	2004/087177	A	Monsanto Technology LLC	10-14-2004	
	59	WO	2004/088283	A	Monsanto Technology LLC	10-14-2004	

OTHER ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶
	60	BAUMBER, J., et al., "The Effect of Reactive Oxygen Species on Equine Sperm Motility, Viability, Acrosomal Integrity, Mitochondrial Membrane Potential, and Membrane Lipid Peroxidation," 2000, J. Andrology, Vol. 21(6), pp. 895-902	
	61	BENCIC, D.C., et al., "Carbon Dioxide Reversibly Inhibits Sperm Motility and Fertilizing Ability in Steelhead (Oncorhynchus mykiss)," 2000, Fish Physiology and Biochemistry, Vol. 23(4), pp. 275-281	
	62	BOATMAN, D.E., et al., "Bicarbonate Carbon Dioxide Regulation of Sperm Capacitation Hyperactivated Motility and Acrosome Reactions," 1991, Biol of Reprod, Vol. 44(5), pp. 806-813	
	63	BRUEMMER, J.E., et al., "Effect of Pyruvate on the Function of Stallion Spermatozoa Stored for up to 48 Hours," J Anim Sci, 2002, Vol. 80*1), pp. 12-18	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Applicant is to place a check mark here if English Translation is attached or place an "A" here if English language abstract is attached.

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PTO/SB/08A SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known		
				Application Number		10/811,593
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				Group Art Unit		1651
				Examiner Name		V. Efremova
Sheet	2	of	2	Attorney Docket No.		MTC 2002.1

	64	DENNISTON, D.J., et al., "Effect of Antioxidants on the Motility and Viability of Cooled Stallion Spermatozoa," J. Reprod Fert Supp 56, 2001, pp. 121-126	
	65	GARCIA, M.A., et al., "Development of a Buffer System for Dialysis of Bovine Spermatozoa Before Freezing III. Effect of Different Inorganic and Organic Salts on Fresh and Frozen-Thawed Semen," 1989, Theriogenology, Vol. 31(5), pp. 1039-1048	
	66	GRAVES, C.N., et al., "Metabolism of Pyruvate by Epididymal-Like Bovine Spermatozoa," 1964, J Dairy Sci, Vol. 47(12), pp. 1407-1411	
	67	GRAVES, C.N., et al., "Metabolic End-products of Anaerobic Spermatozoan Metabolism," 1966, Nature, Vol. 211, pp. 308-309	
	68	KAROW, A.M. et al., "Effects of Temperature, Potassium Concentration, and Sugar on Human Spermatozoa Motility: A Cell Preservation Model from Reproductive Medicine," 1992, Cryobiology, Vol. 29, pp. 250-254	
	69	LODGE, J.R., et al., "Carbon Dioxide in Anaerobic Spermatozoan Metabolism," 1968, J Dairy Sci, Vol. 51(1), pp. 96-103	
	70	SALISBURY, G.W., "Reversal by Metabolic Regulators of CO ₂ -induced Inhibition of Mammalian Spermatozoa, 1959, Proc Soc Exp Biol Med, Vol 101(1), pp. 187-189	
	71	SALISBURY, G.W. et al., "Chapter 16: Extenders and Extension of Unfrozen Semen," Physiology of Reproduction and Artificial Insemination of Cattle, 2nd Ed., 1961, W.H. Freeman and Company, pp. 445 and 464.	
	72	International Search Report for PCT/US2005/010598 dated June 27, 2005, 5 pgs.	
	73	International Search Report for PCT/US2004/010481 dated October 10, 2005, 7 pgs.	
	74	International Search Report for PCT/US2005/010599 dated December 12, 2005, 9 pgs.	

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